

ANALYSIS OF CASES OF SEVERE VOMITING IN PREGNANCY.

Hewitt (G.)

TABLE I.—SEVERE VOMITING IN PREGNANCY. FATAL CASES. AUTOPSY. LESIONS NON-UTERINE.

No.	Author.	Lesion : State of uterus not mentioned.
1	Valleix; from Anquetin "Des vomissements incoercibles pendant la grossesse," Rev. Méd. 1865 ...	Chronic gastritis
2	Taurin; <i>ibid</i> ...	Redness and softening of stomach
3	Dubois; <i>ibid</i> ...	
4	Chomel; <i>ibid</i> ...	Redness and softening of stomach
5	Sandras; <i>ibid</i> ...	
6	Depaul; <i>ibid</i> ...	Cancer of pylorus
7	Pipelet; <i>ibid</i> ...	Epigastric hernia
8	Lancereaux; <i>ibid</i> ...	Atrophy of muscles, &c.
9	Trousseau; <i>ibid</i> ...	Scirrhus induration near pylorus
10	Schutbach; <i>ibid</i> ...	Tumour near pylorus, ulcerated
11	Schilachigla; <i>ibid</i> ...	Tubercle of lung
12	Rayer and Depaul; <i>ibid</i> ...	Tubercle of brain
13	Sandras; <i>ibid</i> ...	Alleviation of mesenteric glands
14	Blot; <i>ibid</i> ...	Alteration of glands of epigastrium
15	Chomel; <i>ibid</i> ...	Fatty degeneration of liver
16	Taurin; <i>ibid</i> ...	Biliary calculi
17	Lobstein; <i>ibid</i> ...	Redness of semilunar ganglia of solar plexus
18	Sandras; <i>ibid</i> ...	Congestion of meninges
19	Burns; <i>ibid</i> ...	Impaction of biliary calculus
20	Harrison; Letter to author ...	Disease of adrenals
21	Matthews Duncan; Lectures on "Diseases of Women"	"Icterus gravis"
22	Horrocks; Brit. Med. Jour., July 4, 1885 ...	Primary encephaloid carcinoma of liver
23	Horwitz; Ztschr. f. Geb. & Gyn., 1883, case 5 ...	Polypoid disease of the intestines

TABLE II.—SEVERE VOMITING IN PREGNANCY, ASSOCIATED WITH RETROVERSION OR RETROFLEXION OF GRAVID UTERUS.*

No.	Author.	State of Uterus.	Treatment.	Results.
1	Stoltz; case 2, Gaz. Med., Juin, 1852	Uterus in 3rd month retroverted, but movable	Sickness suspended several times on replacement. Uterus could not be retained in proper position ...	Artificial abortion. Rec. Cure
2	Briau & Moreau; Gaz. Hebdom., July, 1856	Incomplete retroversion : incarceration in bony pelvis	Raising out of pelvis by manipulation ...	
3	Graily Hewitt; "Dis. of Women," 4th ed., p. 365	Uterus retroflexed, but movable	Hodge pessary; relief of sickness. Recurrence month later from slipping of pessary. Speedy relief on re-adjustment. Second recurrence after a month from same cause	Abortion at six months. Rec. Cure
4	Graily Hewitt; <i>ibid</i> , p. 368 ...	Much retroflexed ...	Treated by prone position ..	Cure
5	Godson; Letter to Author ...	Retroversion and flexion easily tilted into position, but falling back again immediately	Treated by Hodge pessary ...	Never sick afterwards
6	Halliday Croom, Letter to Author	Gravid retroflexion at 3½ months	Treatment not stated	
7	Upshur; Amer. Jour. Obst., 1884, p. 915	Retroversion, 10th week ...	Treatment by Hodge pessary ...	Relief
8	H. F. Campbell; Amer. Gyn. Trans., 1885	Extreme gravid retroversion : salivation, vomiting	Frequent genu-pectoral position followed by manipulation	Immediate relief
9	Ditto, <i>ibid</i> ...	Gravid retroversion ...	Genu-pectoral position and Barnes' bag ...	Cure
10	Ditto, <i>ibid</i> ...	Extreme retroversion, firmly packed in hollow of sacrum	Reduction by manipulation... ..	Cure
11	Ditto, <i>ibid</i> ...	Gravid retroversion	Genu-pectoral position and abdominal succussion, reduction, pessary	Cure

* The first four cases in above table were related in a former paper, Obst. Trans., 1884. The seven last cases have been collected since.

TABLE III.—SEVERE VOMITING IN PREGNANCY, ASSOCIATED WITH ANTEFLEXION OR ANTEVERSION OF THE GRAVID UTERUS. PRESENCE OR ABSENCE OF IMPACTION IN PELVIS. (Order chronological).*

No.	Author.	Time of Severe Vomiting.	Uterus, Impacted, Incarcerated, or Detained in Pelvis.	Summary of Treatment and Results.
1	Stoltz; case 1, Gaz. Méd., Juin, 1852	3rd month	Impaction	Relief on raising uterus. Projected abortion given up. Five days later vomiting again intense. Abortion not induced, patient too weak. Death
2	Ulrich; Monat. für Geburt., 1858	end 3rd month	Impaction, irreducible	Many fruitless attempts to reduce uterus. In three weeks death. Autopsy. The difficulty in expansion due to the flexion was, Ulrich states, the cause of the vomiting
3	Graily Hewitt; Obs. Trans. vol. XIII.	4th month	Detention	Rest in horizontal position. Cure natural
4	Monro; Glas. Med. Jour., Aug., 1872	3rd month	Impaction, irreducible	Artificial abortion. Recovery
5	McClintock; Dub. Med. Jour., May, 1873	3rd month	Detention ?	Artificial abortion. Recovery
6	Skerritt; G. Hewitt, Dis. of W., 4th ed., p. 367	3rd month	Detention, in process of relief	Rest in horizontal position. Cure
7	Copeman, Brit. Med. Jour., May, 1875	?	?	Copeman's dilatation. Cure
8	Copeman; Brit. Med. Jour., Nov., 1875	5 months	Detention	Cure on raising uterus
9	Copeman; Brit. Med. Jour., Sep., 1878	3rd month	Detention	Cure on raising uterus (next day os was slightly dilated)
10	Graily Hewitt, 1879 ...	6th month	Uterus obliquely jammed in pelvis	Rest : horizontal position. Miscarriage at 7 months
11	Graily Hewitt, 1879 ...	end 2nd month	Not impacted	Excessive induration of cervix. Copeman's dilatation. Relief. Death later
12	Graily Hewitt, Dis. of W., 4th ed., p. 368	4th month	?	Attempts had been made to induce abortion. Result of case not known
13	Graily Hewitt; <i>ibid</i> , p. 369	3rd month	Jammed very low down	Rest in bed. Cure
14	Horwitz; Ztsch. f. Geb. und Gyn., 1883, case 1	end 3rd month	Impaction	Redression very difficult, giving much pain. Tampons. Abortion followed. Recovery
15	Horwitz; <i>ibid</i> , case 2... ..	3rd month	Impaction, irreducible	Abortion suggested, not carried out. Death
16	Horwitz; <i>ibid</i> , case 4... ..	?	Impaction apparently irreducible	Abortion induced. Death (query disease of stomach ?)
17	Horwitz; <i>ibid</i> , case 7... ..	3 months	Impaction	Reduced with great difficulty, giving great pain. Tampons. Abortion induced. Recovery
18	Horwitz; <i>ibid</i> , case 8 ...	3rd month	?	Sedatives, scarification, caustics. Abortion induced. Recovery
19	Horwitz; <i>ibid</i> , case 9... ..	3rd month	Impaction	Correction gives great pain. Copeman's dilatation no effect. Abortion induced. Cure
20	Horwitz; <i>ibid</i> , case 10 ...	end 2nd month	Impaction	Attempts at reduction very painful. Copeman's plan, temporary success. Abortion induced. Death speedily
21	Haslett; Brit. Med. Jour., Mar., 1884	2 months	Impaction irreducible	Abortion induced. Cure
22	Davis; Brit. Med. Jour., Mar., 1884		Impaction	Reduced with difficulty. Vomiting ceased on raising uterus. Delivery at term
23	Henry F. Campbell; Amer. Gyn. Trans., 1885	2 months	Incarceration	Genu-pectoral position and pushing up uterus. Cure
24	Graily Hewitt; Private Case Book	3rd month	Incarceration	Immediate relief on pushing up uterus. Recurrence of displacement with return of sickness. Again relief by same means. Use of ball pessary. Periodic replacement later. Delivery full term
25	Doe; Boston Med. and Surg. Jour., Feb., 1886	3 months	Impaction	Reduction most painful, but possible. Displacement recurs directly finger withdrawn. Death. (In a former pregnancy vomiting had been cured by accidental raising of the fundus)
26	Clarke, Jour. Amer. Med. Asso., May, 1885	?		Artificial abortion. Recovery
27	Veatch; Peoria Med. Month., 1884 and '85	4th month	Incarceration	Patient refused replacement. Cauterization. Natural abortion. Death
28	de Voe; Amer. Jour. Obst., Aug., 1884	3 months	Detention	Manual replacement gave complete relief. Partial relief from other measures previously
29	William Duncan; Lancet, 1887, II., p. 754	2nd month		Cocaine applied to os and cervical canal. Cure.
30	William Duncan; <i>ibid</i>	3rd month		Ditto. Cure

* Cases 1 to 22 related in a previous paper, Obst. Trans., 1884. Cases 23—30 collected since.

TABLE IV.—SEVERE VOMITING IN PREGNANCY. INDURATION OR THICKENING OF CERVIX UTERI RECORDED AS BEING PRESENT.

Author.	Condition of os and cervix uteri.	Other particulars.
Graily Hewitt	Cervix very thick, dense, hard. Uterus had been much anteverted	See No. 10 Anteversion Series
Horwitz	Os somewhat thickened	Uterus also anteverted and impacted. See No. 14 Anteversion Series
Horwitz	Cervix rather hard	Uterus impacted. Also see No. 15 Anteversion Series
Horwitz	Cervix much thickened and lengthened	Uterus anteverted and impacted. See No. 16 Anteversion Series
Horwitz	Cervix much thickened, softish... ..	Uterus bent forward and to right. See No. 18 Anteversion Series
Horwitz	Cervix rather hard	Decided antelexion. See No. 19 Anteversion Series
Haslett	Os congested, considerably enlarged, tender	Antelexion irreducible. See No. 21 Anteversion Series
Henry Bennet; "Infl. of Ut." 4th ed., p. 175 ...	Cervix voluminous, indurated, especially anterior lip... ..	Induration disappeared as uterus rose. See former paper, Obst. Trans., 1884. Table II.
Copeman; Brit. Med. Jour., Nov. 1875	Posterior lip hard, unyielding	Dilatation effected; cure. (No mention of position of uterus)
Dukes; Brit. Med. Jour., Feb., 1878	Tissues of os very hard and cartilaginous	Dilatation. Cure. (No mention as to position of uterus)
Fry; Brit. Med. Jour., March, 1880	Cervix hard, gristly	Dilatation. Effect immediate. (No mention of position of uterus)
Doe... ..	Cervix firm, unyielding	Marked anteversion. See No 25 Anteversion Series

TABLE V.—SEVERE VOMITING; UTERUS GRAVID, ANTEFLEXED; INFLAMMATORY CELLULITIC TUMOUR PRESENT ALSO.

Author.	Condition of Uterus, &c.	Treatment and Results.
Horwitz (3rd in his series); Zts. f. Geb. & Gyn., 1883	Uterus size of 4 months, perimetric exudation rather firm, left side, uterus immovable, very sensitive. Cervix far back to left, difficult to reach	Leeches, hot douche, mercury, nutritive enemata. Sickness less after some days. Delivered at term
Horwitz (6th in his series)	Uterus much enlarged, right antero-lateral version. Irregular tumour felt to left side behind uterus.	Thought to be extra-uterine. Laparotomy by another practitioner. Death. (Tumour cellulitis?)

TABLE VI.—SEVERE VOMITING IN PREGNANCY.—INFLAMMATION OF WALLS OR LINING OF GRAVID UTERUS, ENDOMETRITIS, &c.

Author.	State of Uterus, &c. Treatment.	Results.
Chomel; from Anquetin	Pus on decidua (autopsy)	Death
Dance; Rep. Gen. d'Anat. and Phys. t. iii. p. 70	Pus between decidua and placenta (autopsy)	Death
Dance; <i>ibid</i>	Uterus congested. Walls thin (autopsy)	Death
Jaggard; Amer. Jour. Obst., 1888 ...	Frequent losses of blood in this and also in former pregnancies. At five months severe sickness. After a week's ineffectual treatment abortion induced. Decidua unusually hypertrophied; considered to be a case of endometritis gravidarum. Vomiting began first 16-18th week, after fundus had risen into abd. cavity	Cure
Goech; Brit. Med. Jour., Sep., 1878	Dilatation by finger, separation of membranes round os. Escape of much offensive discharge. Vomiting relieved. Delivery full term	Cure

TABLE VII.—RESULTS OF TREATMENT DIRECTED TO THE REMOVAL OF IMPACTION, INCARCERATION OR DETENTION OF UTERUS IN RELIEVING THE VOMITING.

CASES OF RETROFLEXION.

Impaction or Incarceration. Reduction not possible or not attempted.

- Case 1. Suspension of sickness on reduction. Reduction could not be maintained. Death.
 „ 6. Treatment not stated. Result not given.

Impaction. Reduction effected.

- Case 2. Cure.
 „ 3. Cure. Recurrence of sickness. Cure a second and third time; finally abortion at 6 months.
 „ 4. Cure by rest and position.
 „ 5. Cure by Hodge pessary.
 „ 7. Cure.
 „ 8.
 „ 9.
 „ 10.
 „ 11. } Cure by manipulation, and genu-pectoral position.

CASES OF ANTEFLEXION AND ANTEVERSION.

Impaction. Reduction not possible, or not maintained, or not attempted.

- Case 1. Death.
 „ 2. Death.
 „ 4. Induced abortion. Recovery.
 „ 14. Abortion. Relief.
 „ 15. Death.
 „ 16. Induced abortion. Death.
 „ 17. Induced abortion. Recovery.
 „ 19. Induced abortion. Slow recovery.
 „ 20. Induced abortion. Death.
 „ 21. Induced abortion. Recovery.
 „ 25. Death.
 „ 27. Abortion. Death.

Impaction. Reduction effected.

- Case 10. Rest. Horizontal position. Relief. Miscarriage at 7 months.
 „ 13. Rest. Natural cure.
 „ 22. Cure by manipulative reduction.
 „ 23. Cure by manipulative reduction.
 „ 24. Cure by manipulative reduction.

Detention only.

- Case 3. Natural elevation. Cure.
 „ 6. Natural elevation. Cure.
 „ 7. Manual elevation. Cure.
 „ 8. Manual elevation. Cure.
 „ 9. Manual elevation. Cure.
 „ 28. Manual elevation. Cure. (In this case other treatment previously employed)

RESULTS OF DILATATION OF CERVIX (COPEMAN'S) IN RELIEVING VOMITING.

In 12 cases, 4 of which by Copeman, 8 by various operators, the vomiting was cured. In a few of these 12 cases cervix indurated. In none of them is position of uterus stated. (See former paper.)
 In G. Hewitt's case, relief of vomiting, but death a few days later. See case 11, Anteversion Series.
 In 2 cases, by Horwitz, effect slight but not permanent.